Docket No.: ORQIS.014A **Customer No. 20,995**

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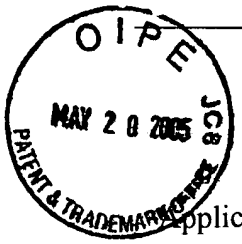

INFORMATION DISCLOSURE STATEMENT

Applicant	:	Bolling, et al.
App. No	:	10/686,040
Filed	:	October 15, 2003
For	:	IMPLANTABLE HEART ASSIST SYSTEM AND METHOD OF APPLYING SAME
Examiner	:	Unknown
Art Unit	:	3762

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

May 18, 2005
(Date)

Andrew M. Douglas, Reg. 51,212

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is an Information Disclosure Statement by Applicant (PTO/SB/08 equivalent) listing 42 references to be considered by the Examiner. Also enclosed are 26 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 18, 2005

By:

Andrew M. Douglas
Registration No. 51,212
Attorney of Record
Customer No. 20,995
(949) 760-0404

1717756-051805

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 3

Application No.	10/686,040
Filing Date	October 15, 2003
First Named Inventor	Bolling et al.
Art Unit	3762
Examiner	Unknown
Attorney Docket No.	ORQIS.014A

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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	3,938,530	02-17-1976	Santomieri	
	2	4,134,402	01-16-1979	Mahurkar	
	3	4,925,452	05-15-1990	Melinyshyn, et al.	
	4	4,985,014	01-15-1991	Orejola	
	5	5,041,098	08/20/91	Loiterman, et al.	
	6	5,453,084	09-26-1995	Moses	
	7	5,533,957	07-09-1996	Aldea	
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	11	6,044,845	04-04-2000	Lewis	
	12	6,176,765	01-23-2001	Weitzel	
	13	6,371,935	04-16-2002	Macoviak, et al.	
	14	6,514,226	02-04-03	Levin, et al.	
	15	6,749,598	06-15-2004	Keren, et al.	
	16	2003/0187367	10-02-2003	Odland	

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Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]
	17	FR 2,201,908	05-03-1974	THOMSON MEDICAL TELCO		
	18	JP 08257001 A	10-08-1996	MOHL WERNER		
	19	WO 98/34676	08-13-1998	SQUITIERI		
	20	WO 01/74419 A1	10-11-2001	IMPELLA CARDIOTECHNIK GMBH		
	21	WO 00/41612	07-20-2000	THERAPEE ADVANCED MEDICAL INNOVATION, LTD.		
	22	WO 02/064204	09-2002	ORQIS MEDICAL CORP.		

Examiner Signature	Date Considered

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T[1] - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/686,040
	Filing Date	October 15, 2003
	First Named Inventor	Bolling et al.
	Art Unit	3762
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 2 OF 3	Attorney Docket No.	ORQIS.014A

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]
	23	WO 02/070039 A2	09-12-2002	THREE ARCH PARTNERS		
	24	WO 03/070299 A1	08-28-2003	ORQIS MEDICAL CORP.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]
	25	Birtwell, W. et al. The evolution of counterpulsation techniques. Med Instrum 1976; 10(5): 217-23	
	26	Blythe, D. Percutaneous axillary artery insertion of an intra-aortic balloon pump. Annesth and Intensive Care 1995; 23(3): 406-7	
	27	Bonchek, L. et al. Direct Ascending Aortic Insertion of the "Percutaneous" Intraaortic Balloon Catheter in the Open Chest: Advantages and Precautions. Ann Thorac Surg 1981; 32(5): 512-14	
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	29	Cochran, R. et al. Ambulatory Intraaortic Balloon Pump Use as Bridge to Heart Transplant. Ann Thorac Surg 2002; 74: 746-52	
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	32	Dembitsky, W. Briding from acute to chronic devices. Ann Thorac Surg 1999; 68: 724-28	
	33	Goldstein, A. H. et al. Development of an Implantable Centrifugal Blood Pump. ASAIO 1992; 38(3): M362-5	
	34	Goldstein, A. H. et al. Predictable Reduction in Left Ventricular Stroke Work and Oxygen Utilization With an Implantable Centrifugal Pump. Ann Thorac Surg 1994; 58 (4): 1018-24	
	35	Jaski, B. et al. Anterograde Perfusion in Acute Limb Ischemia Secondary to Vascular Occlusive Cardiopulmonary Support. Cath and Cardiovasc Diag 1995; 35: 373-76	
	36	Magovern, G. Nonpulsatile Circulatory Support: Techniques of Insertion. Ann Thorac Surg 1993; 55: 266-72	
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	38	Nishimura et al. The enabler cannula pump: a novel circulatory support system. The International Journal of Artificial Organs, Vol. 22, No. 5, 1999, pp. 317-323	
	39	PCT International Search Report, App. No. PCT/US2004/033575, 02/18/2005	

Examiner Signature	Date Considered

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/08 Equivalent

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	First Named Inventor	Bolling et al.
	Art Unit	3762
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 3 OF 3	Attorney Docket No.	ORQIS.014A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]
	40	Sharony et al. Cardiopulmonary Support and Physiology- The Intra-Aortic Cannula Pump: A Novel Assist Device for the Acutely Failing Heart. The Journal of Thoracic and Cardiovascular Surgery, Nov. 1992, Vol. 118, No. 5, pp. 924-929	
	41	Sharony, R. et al. Right heart support during off-pump coronary artery surgert—a multi-center study. Heart Surg Forum. 2002; 5(1): 13-6.	
	42	Takagaki et al. A Novel Miniature Ventricular Assist Device for Hemodynamic Support. ASAIO Journal 2001, pp. 412-416	

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